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Submitted for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet

1

of

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*Complete if Known*

Application Number	10/006,524	MAR 2 8 2002
Filing Date	12-03-2001	
First Named Inventor	Jacob et al.	
Group Art Unit	1646	
Attorney Docket Number	COR2006 (07907.105007)	

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### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages/Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
MM	AA	3,798,209		Witkowski et al.	03-19-1974	
	AB	5,128,458		Montgomery et al.	07-07-1992	
	AC	5,372,808		Blatt et al	12-13-1994	
	AD	5,446,029		Eriksson et al.	08-29-1995	
	AE	5,491,135		Blough	02-13-1996	
	AF	5,610,054		Draper	03-11-1997	
	AG	5,676,942		Testa et al.	10-14-1997	
	AH	5,725,859		Omer	03-10-1998	
	AI	5,738,845		Imakawa	04-14-1998	
	AJ	5,830,455		Valtuena et al.	11-03-1998	
	AK	5,837,257		Tsai et al.	11-17-1998	
	AL	5,846,964		Ozeki et al.	12-08-1998	
	AM	5,849,696		Chretien et al.	12-15-1998	
	AN	5,849,800		Smith	12-15-1998	
	AO	5,858,389		Elsherbi	01-12-1999	
	AP	5,869,253		Draper	02-09-1999	
	AQ	5,891,874		Colacino et al.	04-06-1999	
	AR	5,908,621		Glue et al	06-01-1999	
	AS	5,922,757		Chojkier	07-13-1999	
	AT	5,922,857		Han et al.	07-13-1999	
	AU	5,928,636		Alber et al.	07-27-1999	
	AV	5,942,223		Bazer et al.	08-24-1999	
	AW	5,969,109		Bona et al.	10-19-1999	
	AX	5,972,347		Eder et al.	10-26-1999	
	AY	5,980,884		Blatt et al.	11-09-1999	
	AZ	5,990,276		Zhang et al.	11-23-1999	
	AAA	6,001,799		Chretien et al.	12-14-1999	

Examiner Signature	<i>Mohler</i>	Date Considered	1-26-03
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Submitted for form 1449/PTO		MAR 26 2002		Complete if Known	
		INFORMATION DISCLOSURE STATEMENT BY APPLICANT		RECEIVED U.S. PATENT AND TRADEMARK OFFICE MAR 28 2002	
Sheet	2	of	5	Application Number	10/006,524
				Filing Date	12-03-2001
				First Named Inventor	Jacob et al.
				Group Art Unit	1646
				Attorney Docket Number	COR2006 (07907.105007)

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
MM	BA	6,001,990		Wands et al.	12-14-1999
	BB	6,004,933		Spruce et al.	12-21-1999
	BC	6,027,729		Houghton et al.	02-22-2000
	BD	6,030,960		Morris-Natschke et al.	02-29-2000
	BE	6,034,134		Gold et al.	03-07-2000
	BF	6,043,077		Barber et al.	03-28-2000
	BG	6,056,961		Lavie et al.	05-02-2000
↓	BH	RE29,835		Witkowski et al.	11-14-1978

FOREIGN PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document DD-MM-YYYY
		Office <sup>3</sup>	Number		
MM	BI	WO	99/29350	Anderson et al.	17-06-1999

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
MM	BJ	BAKER, J.A. et al. "Viral Diarrhea in Cattle" <i>Am. J. Vet. Res.</i> , (October 1954) 525-531.			
	BK	BASSETT, S.E. et al. "Analysis of Hepatitis C Virus-Inoculated Chimpanzees Reveals Unexpected Clinical Profiles." <i>J. Virol.</i> , (April 1998) 72(4): 2589-2599.			
↓	BL	BATTAGLIA, A.M. et al., "Combination Therapy with Interferon and Ribavirin in the Treatment of Chronic Hepatitis C Infection." <i>Ann. Pharmacother.</i> (April 2000) 34(4):487-494.			

Examiner Signature	<i>Wade</i>	Date Considered	1-26-03
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				Group Art Unit	1646
Sheet	3	of	5	Attorney Docket Number	COR2006 (07907.105007)

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MM	CA	BERENGUER, M. et al. "Hepatitis C virus in the transplant setting." <i>Antivir. Ther.</i> 3. Suppl. 3:125-136, 1998.	
	CB	CERNEY, A., et al. "Pathogenesis of Chronic Hepatitis C: Immunological Features of Hepatic Injury and Viral Persistence." <i>Hepatology</i> (September 1999) 30(3):595-601.	
	CC	CHISARI, F.V., and Ferrari, C. Viral hepatitis. In: <i>Viral Pathogenesis</i> . Ed: Nathanson, N., et al. Lippincott-Raven Publishers, Philadelphia, 1997: 745-778.	
	CD	CORAPI, W.V. et al. "Characterization of a panel of monoclonal antibodies and their use in the study of the antigenic diversity of bovine viral diarrhea virus." <i>Am. J. Vet. Res.</i> (September 1990) 51(9):1388-1394.	
	CE	CORAPI, W.V. et al. "Severe Thrombocytopenia in Young Calves Experimentally Infected with Noncytopathic Bovine Viral Diarrhea Virus." <i>J. Virol.</i> , (September 1989) 63(9):3934-3943.	
	CF	COTE, P.J., et al. "New Enzyme Immunoassays for the Serologic Detection of Woodchuck Hepatitis Virus Infection." <i>Viral Immunology</i> (1993) 6(2):161-169.	
	CG	CUTLIP, R.C. et al. "Lesions in Clinically Healthy Cattle Persistently Infected with the Virus of Bovine Viral Diarrhea - Glomerulonephritis and Encephalitis." (December 1980) <i>Am. J. Vet. Res.</i> , 41(12): 1938-1941.	
	CH	DAVIS G.L. "Current Therapy for Chronic Hepatitis C." <i>Gastroenterology</i> (2000) 118:S104-S114.	
	CI	DIBISCEGLIE, A.M., et al. "The Unmet Challenges of Hepatitis C." <i>Scientific American</i> , (October 1999): 80-85.	
↓	CJ	FERNELIUS, A.L. et al. "Bovine Viral Diarrhea Virus-Host Cell Interactions: Adaptation, Propagation, Modification, and Detection of Virus in Rabbits." (September 1969) <i>Am. J. Vet. Res.</i> , 30 (9): 1541-1550.	

Examiner Signature	<i>Mosley</i>	Date Considered	1-26-03
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Submitted for form 1449/PTO				<i>IPR</i> <b>MAR 26 2002</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APP</b>					
Sheet	4	of	5	Complete if Known	
				Application Number	10/006,524
				Filing Date	12-03-2001
				First Named Inventor	Jacob et al.
				Group Art Unit	1646
				Attorney Docket Number	COR2006 (07907.105007)

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
MM	DA	GERIN, J.L., et al. "Hepatitis B Virus and Liver Cancer: The Woodchuck as an Experimental Model of Hepadnavirus-induced Liver Cancer." <i>Viral Hepatitis and Hepatocellular Carcinoma</i> . (1990) Eds. Hollinger, F.B., et al. Williams & Wilkins Publishers, Baltimore, 1990:556-559.	
	DB	HAINES, D.M. et al. "Monoclonal antibody-based immunohistochemical detection of bovine viral diarrhea virus in formalin-fixed, paraffin-embedded tissues." <i>Vet. Path.</i> , (1992) 29:27-32.	
	DC	HOOFNAGLE, J.H., et al. "Drug Therapy: The Treatment of Chronic Viral Hepatitis." <i>New Engl. J. Med.</i> , (1997) 336(5):337-356.	
	DD	HORNBUCKLE, W.E., et al. "Laboratory Assessment of Hepatic Injury in the Woodchuck ( <i>Marmota Monax</i> )." <i>Lab. Anim. Sci.</i> , (August 1985) 35: 376-381.	
	DE	HOUE, H. "Epidemiological features and economical importance of bovine virus diarrhoea virus (BVDV) infections." <i>Veterinary Microbiology</i> , (1999) 64:89-107.	
	DF	HOUGHTON, M. "Hepatitis C Viruses." <i>Fields Virology</i> , 3 <sup>rd</sup> ed. Eds. Fields, B.H., et al. Lippencott-Raven Publishers, Philadelphia, 1996: 1035-1058.	
	DG	JACOB, J.R. et al. "Characterization and Immortalization of Woodchuck Hepatocytes Isolated from Normal and Hepadnavirus-Infected Woodchucks ( <i>Marmota monax</i> )." <i>Experimental Cell Research</i> . (1994) 212:42-48.	
	DH	JACOB, J.R. et al. "Hepatic Expression of the Woodchuck Hepatitis Virus X-Antigen During Acute and Chronic Infection and Detection of a Woodchuck Hepatitis Virus X-Antigen Antibody Response." <i>Hepatology</i> (December 1997) 26(6):1607-1615.	
	DI	JAECKEL et al., "Treatment of Acute Hepatitis C with Interferon Alfa-2b." <i>N. England J. Med.</i> , (November 15, 2001), 345(20):1452-1457.	
↓	DJ	LIESS, B. "Bovine viral diarrhea virus." In: <i>Virus infections of ruminants</i> . B. Morein and Z. Dinter eds; Elsevier Science Ltd, 1990.	

Examiner Signature	<i>Motley</i>	Date Considered	1-26-03
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				Application Number	10/006,524
				Filing Date	12-03-2001
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**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

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M M	EA	MENNE, S. <i>et al.</i> "T-Cell Response to Woodchuck Hepatitis Virus (WHV) Antigens during Acute Self-Limited WHV Infection and Convalescence and after Viral Challenge." <i>J. Virol.</i> , (July 1998) 72(7): 6083-6091..	
	EB	MENNE, S., <i>et al.</i> "Unraveling hepatitis B virus infection of mice and men (and woodchucks and ducks)." <i>Nature Med.</i> , (October 1999) 5(10):1125-1126.	
	EC	MEYERS, G., <i>et al.</i> "Molecular Characterization of Pestiviruses." <i>Adv. In Virus Res.</i> , (1996) 47: 53-118.	
	ED	MILLER, R.H., <i>et al.</i> "Hepatitis C virus shares amino acid sequence similarity with pestiviruses and flaviviruses as well as members of two plant virus supergroups." <i>Proc. Natl. Acad. Sci. USA</i> (March 1990) 87: 2057-2061.	
	EE	NEGRO, F. <i>et al.</i> "Detection of intrahepatic replication of hepatitis C virus RNA by <i>in situ</i> hybridization and comparison with histopathology." (March 1992) <i>Proc. Natl. Acad. Sci. USA</i> , 89: 2247-2251.	
	EF	OHMANN, H. <i>et al.</i> "Demonstration of Bovine Viral Diarrhea Virus in Peripheral Blood Mononuclear Cells of Persistently Infected, Clinically Normal Cattle." <i>J. Gen. Virol.</i> (1987) 68: 1971-1982.	
	EG	PEREZ, J. <i>et al.</i> "Mutants of the Rous Sarcoma Virus Envelope Glycoprotein that Lack the Transmembrane Anchor and Cytoplasmic Domains: Analysis of Intracellular Transport and Assembly into Virions." <i>J. Virol.</i> , (October 1987) 61(10):2981-2985.	
	EH	PONZETTO, A. <i>et al.</i> "Transmission of the hepatitis B virus-associated δ agent to the eastern woodchuck." (April 1984) <i>Proc. Natl. Acad. Sci. USA</i> , 81: 2208-2212.	
	EI	RICE, C.M. "Flaviviridae: The Viruses and Their Replication." <i>Fields Virology</i> , 3 <sup>rd</sup> ed. eds. Fields, B.H., <i>et al.</i> , Lippencott-Raven Publishers, Philadelphia, 1996: 931-959.	
✓	EJ	THUR, B. <i>et al.</i> "Immunohistochemical diagnosis of pestivirus infection associated with bovine and ovine abortion and perinatal death." (December 1997) <i>Am. J. Vet. Res.</i> , 58(12): 1371-1375.	

Examiner Signature	<i>Mooley</i>	Date Considered	1-26-03
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				Group Art Unit	1648
				Attorney Docket Number	COR2006 (07/907,105/007)
Sheet	1	of	1		

#### U.S. PATENT DOCUMENTS

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/m	AA	JACOB, J.R. et al. <i>Antiviral Therapy</i> , (2000) Vol 5 Suppl. 1: Page 50.	
	AB	JACOB, J.R. et al. <i>Antiviral Therapy</i> , (2000) Vol 5 Suppl. 1: Page C87.	
↓	AC	JACOB, J.R. et al. <i>7<sup>th</sup> International Meeting on Hepatitis C Virus and Related Viruses: Conference Program and Book of Abstracts</i> (December 3-7, 2000) P095.	

Examiner Signature	<i>Moly</i>	Date Considered	3-10'03
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